-- MySQL Workbench Forward Engineering

SET @OLD\_UNIQUE\_CHECKS=@@UNIQUE\_CHECKS, UNIQUE\_CHECKS=0;

SET @OLD\_FOREIGN\_KEY\_CHECKS=@@FOREIGN\_KEY\_CHECKS, FOREIGN\_KEY\_CHECKS=0;

SET @OLD\_SQL\_MODE=@@SQL\_MODE, SQL\_MODE='TRADITIONAL,ALLOW\_INVALID\_DATES';

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-- Schema mydb

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-- -----------------------------------------------------

-- Schema MyTunes1.0

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-- -----------------------------------------------------

-- Schema MyTunes1.0

-- -----------------------------------------------------

CREATE SCHEMA IF NOT EXISTS `MyTunes1.0` DEFAULT CHARACTER SET utf8mb4 ;

USE `MyTunes1.0` ;

-- -----------------------------------------------------

-- Table `MyTunes1.0`.`Bands`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `MyTunes1.0`.`Bands` (

`BandID` INT(11) NOT NULL AUTO\_INCREMENT,

`BandName` VARCHAR(255) NOT NULL,

`Founded` DATE NULL DEFAULT NULL,

`Disbanded` DATE NULL DEFAULT NULL,

PRIMARY KEY (`BandID`),

UNIQUE INDEX `BandID\_UNIQUE` (`BandID` ASC))

ENGINE = InnoDB

AUTO\_INCREMENT = 3;

-- -----------------------------------------------------

-- Table `MyTunes1.0`.`Publishers`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `MyTunes1.0`.`Publishers` (

`PublisherID` INT(11) NOT NULL AUTO\_INCREMENT,

`PublisherName` VARCHAR(255) NOT NULL,

`Address` VARCHAR(255) NULL DEFAULT NULL,

`City` VARCHAR(255) NULL DEFAULT NULL,

`State` VARCHAR(2) NULL DEFAULT NULL,

`ZipCode` INT(5) NULL DEFAULT NULL,

`Phone` INT(10) NULL DEFAULT NULL,

`Email` VARCHAR(255) NULL DEFAULT NULL,

PRIMARY KEY (`PublisherID`),

UNIQUE INDEX `PublisherID\_UNIQUE` (`PublisherID` ASC))

ENGINE = InnoDB

AUTO\_INCREMENT = 3;

-- -----------------------------------------------------

-- Table `MyTunes1.0`.`Albums`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `MyTunes1.0`.`Albums` (

`AlbumID` INT(11) NOT NULL AUTO\_INCREMENT,

`AlbumName` VARCHAR(255) NULL DEFAULT NULL,

`ReleaseDate` DATE NULL DEFAULT NULL,

`Price` DECIMAL(10,0) NULL DEFAULT NULL,

`Publishers\_PublisherID` INT(11) NOT NULL,

`Bands\_BandID` INT(11) NOT NULL,

PRIMARY KEY (`AlbumID`, `Publishers\_PublisherID`, `Bands\_BandID`),

UNIQUE INDEX `AlbumID\_UNIQUE` (`AlbumID` ASC),

INDEX `fk\_Albums\_Publishers\_idx` (`Publishers\_PublisherID` ASC),

INDEX `fk\_Albums\_Bands1\_idx` (`Bands\_BandID` ASC),

CONSTRAINT `fk\_Albums\_Bands1`

FOREIGN KEY (`Bands\_BandID`)

REFERENCES `MyTunes1.0`.`Bands` (`BandID`),

CONSTRAINT `fk\_Albums\_Publishers`

FOREIGN KEY (`Publishers\_PublisherID`)

REFERENCES `MyTunes1.0`.`Publishers` (`PublisherID`))

ENGINE = InnoDB

AUTO\_INCREMENT = 3;

-- -----------------------------------------------------

-- Table `MyTunes1.0`.`Songs`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `MyTunes1.0`.`Songs` (

`SongID` INT(11) NOT NULL AUTO\_INCREMENT,

`Title` VARCHAR(255) NOT NULL,

`ReleaseDate` DATE NULL DEFAULT NULL,

PRIMARY KEY (`SongID`),

UNIQUE INDEX `SongID\_UNIQUE` (`SongID` ASC))

ENGINE = InnoDB

AUTO\_INCREMENT = 24;

-- -----------------------------------------------------

-- Table `MyTunes1.0`.`Albums\_has\_Songs`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `MyTunes1.0`.`Albums\_has\_Songs` (

`Albums\_AlbumID` INT(11) NOT NULL,

`Albums\_Publishers\_PublisherID` INT(11) NOT NULL,

`Albums\_Bands\_BandID` INT(11) NOT NULL,

`Songs\_SongID` INT(11) NOT NULL,

PRIMARY KEY (`Albums\_AlbumID`, `Albums\_Publishers\_PublisherID`, `Albums\_Bands\_BandID`, `Songs\_SongID`),

INDEX `fk\_Albums\_has\_Songs\_Songs1\_idx` (`Songs\_SongID` ASC),

INDEX `fk\_Albums\_has\_Songs\_Albums1\_idx` (`Albums\_AlbumID` ASC, `Albums\_Publishers\_PublisherID` ASC, `Albums\_Bands\_BandID` ASC),

CONSTRAINT `fk\_Albums\_has\_Songs\_Albums1`

FOREIGN KEY (`Albums\_AlbumID` , `Albums\_Publishers\_PublisherID` , `Albums\_Bands\_BandID`)

REFERENCES `MyTunes1.0`.`Albums` (`AlbumID` , `Publishers\_PublisherID` , `Bands\_BandID`),

CONSTRAINT `fk\_Albums\_has\_Songs\_Songs1`

FOREIGN KEY (`Songs\_SongID`)

REFERENCES `MyTunes1.0`.`Songs` (`SongID`))

ENGINE = InnoDB;

-- -----------------------------------------------------

-- Table `MyTunes1.0`.`Musicians`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `MyTunes1.0`.`Musicians` (

`MusicianID` INT(11) NOT NULL AUTO\_INCREMENT,

`Name` VARCHAR(255) NULL DEFAULT NULL,

`Instrument` VARCHAR(255) NULL DEFAULT NULL,

`BirthDate` DATE NULL DEFAULT NULL,

PRIMARY KEY (`MusicianID`),

UNIQUE INDEX `MusicianID\_UNIQUE` (`MusicianID` ASC))

ENGINE = InnoDB

AUTO\_INCREMENT = 15;

-- -----------------------------------------------------

-- Table `MyTunes1.0`.`Musicians\_has\_Bands`

-- -----------------------------------------------------

CREATE TABLE IF NOT EXISTS `MyTunes1.0`.`Musicians\_has\_Bands` (

`Musicians\_MusicianID` INT(11) NOT NULL,

`Bands\_BandID` INT(11) NOT NULL,

`StartDate` DATE NOT NULL,

`EndDate` DATE NULL DEFAULT NULL,

PRIMARY KEY (`Musicians\_MusicianID`, `Bands\_BandID`, `StartDate`),

INDEX `fk\_Musicians\_has\_Bands\_Bands1\_idx` (`Bands\_BandID` ASC),

INDEX `fk\_Musicians\_has\_Bands\_Musicians1\_idx` (`Musicians\_MusicianID` ASC),

CONSTRAINT `fk\_Musicians\_has\_Bands\_Bands1`

FOREIGN KEY (`Bands\_BandID`)

REFERENCES `MyTunes1.0`.`Bands` (`BandID`),

CONSTRAINT `fk\_Musicians\_has\_Bands\_Musicians1`

FOREIGN KEY (`Musicians\_MusicianID`)

REFERENCES `MyTunes1.0`.`Musicians` (`MusicianID`))

ENGINE = InnoDB;

SET SQL\_MODE=@OLD\_SQL\_MODE;

SET FOREIGN\_KEY\_CHECKS=@OLD\_FOREIGN\_KEY\_CHECKS;

SET UNIQUE\_CHECKS=@OLD\_UNIQUE\_CHECKS;